

SECRET**PRIORITY**

1967 JUL 15 20 28Z

OUT62611

Declassification Review by NGA

P 15 19 12Z JUL 67

FM NPIC WASH DC

TO AIG NINE SEVEN SIX

RUEPJS/DIA PRODCEN

RUEPJS/NIC

BT

SECRET CITE NPIC 1271.

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS

ON BLACK SHIELD MISSION BX6708, 13 JULY 1967.

((TEXT AS FOLLOWS IDENTICAL TO ABOVE MISSION))

SECRET

END OF MESSAGE

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SECRETGROUP 1
Excluded from automatic
downgrading and
declassification

SECTION # 01

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS ON BLACK SHIELD MISSION RX6788, 13 JULY 1967. THE HEADER LINE FOR EACH TARGET, READING FROM LEFT TO RIGHT, CONTAINS THE TARGET NAME, COUNTRY CODE, GEOGRAPHIC COORDINATES, AND COMOR NUMBER. PHOTO REFERENCE DATA INCLUDES FRAME NUMBERS AND SYMBOLS DENOTING LIMITING CONDITIONS, PHOTO INTERPRETABILITY, TARGET COVERAGE AND MODE.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS -- C MCLEAR, SC SCATTERED CLOUD COVER, HC HEAVY CLOUD COVER, H HAZEN, CS CLOUD SHADOW, SD SEMIDARKNESS, GC GROUND COVER, CF CAMOUFLAGEN, O OBLIQUITY, AND GR GROUND RESOLUTION. INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G GOOD, F FAIR, OR P POOR. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T TOTAL OR PT PARTIAL. THE MODE OF COVERAGE IS SIGNIFIED BY ST STEREO, NS NONSTEREO, OR PS PARTIAL STEREO.

HIGHLIGHTS

NO EVIDENCE OF OFFENSIVE SURFACE-TO-SURFACE MISSILE EQUIPMENT OR FACILITIES.

A TOTAL OF 71 SA-2 SITES ARE IDENTIFIED. OF THE 71, 5 ARE OCCUPIED, 54 ARE UNOCCUPIED, 1 OF WHICH IS NEWLY IDENTIFIED, 10 ARE IDENTIFICATION ONLY, AND 2 SITES WERE DELETED. FOUR MAJOR AIRFIELDS WERE COVERED PROVIDING ORDER OF BATTLE INFORMATION.

HA NOI IS IMAGED ON FAIR QUALITY, OBLIQUE PHOTOGRAPHY. HAI PHONG IS NOT COVERED.

MISSILES

HA NOI SAM SEARCH VN 2102N 10551E
NO NEW SAM ACTIVITY OBSERVED.

HA NOI SAM SITE A10-2 @14N VN 2101N 10558E
IDENTIFICATION ONLY.

HA NOI SAM SITE A19-2 @15N VN 2055N 10550E
SITE IS UNOCCUPIED.

HA NOI SAM SITE A29-2 @4N VN 2104N 10541E
SITE IS UNOCCUPIED.

HA NOI SAM SITE B04-2 @5N VN 2111N 10559E
SITE IS UNOCCUPIED.

HA NOI SAM SITE B12-2 @3N VN 2056N 10604E
SITE IS UNOCCUPIED.

HA NOI SAM SITE B25-2 @11N VN 2054N 10536E
SITE IS UNOCCUPIED.

HA NOI SAM SITE B29-2 @17N VN 2104N 10539E
SITE IS UNOCCUPIED.

HA NOI SAM SITE B30-2 @16N VN 2106N 10539E
SITE IS UNOCCUPIED.

HA NOI SAM SITE C29-2 @6N VN 2110N 10522E
SITE IS UNOCCUPIED.

HA NOI SAM SITE D00-2 @7N VN 2113N 10521E
SITE IS UNOCCUPIED.

25X1
25X1
25X1
25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

25X1

HA NO. SAM SITE 1E 9-2 012H VN 2023N 10547E
SITE IS UNOCCUPIED.

25X1

HA NO. SAM SITE B17-2 01H VN 2047N 10554E
SITE CONSISTS OF 6 OCCUPIED REVETTED LAUNCH POSITIONS,
AN OCCUPIED GUIDANCE AREA, AN OCCUPIED REVETTED
ACQUISITION RADAR POSITION, AND 3 REVETTED MISSILE-HOLD
POSITIONS 01 OCCUPIED, 1 POSSIBLY OCCUPIED, AND 1
UNOCCUPIED.

25X1

OB -- 6 LAUNCHERS WITH MISSILES, 1 MISSILE ON
TRANSPORTER, A FAN SONG RADAR WITH 6 VANS, AND AN
ACQUISITION RADAR.

HA NO. SAM SITE B21-2 02H VN 2051N 10545E
SITE IS UNOCCUPIED.

25X1

HA NO. SAM SITE C28-2 013H VN 2105N 10529E

25X1

SECTION # 02

SITE IS UNOCCUPIED.

HA NO. SAM SITE 031-2 08H VN 2121N 10522E
SITE IS UNOCCUPIED.

25X1

HA NO. SAM SITE A11-2 09H VN 2100N 10555E
IDENTIFICATION ONLY.

25X1

HA NO. SAM SITE A24-2 019H VN 2056N 10543E
SITE CONSISTS OF 6 OCCUPIED REVETTED LAUNCH POSITIONS,
AN OCCUPIED REVETTED GUIDANCE AREA, AN OCCUPIED
ACQUISITION RADAR POSITION, AND 3 UNOCCUPIED REVETTED
MISSILE-HOLD POSITIONS.
OB -- 6 LAUNCHERS WITH MISSILES, A GUIDANCE RADAR WITH
AT LEAST 5 VANS, AND AN ACQUISITION RADAR.

25X1

HA NO. SAM SITE D31A-2 028H VN 2124N 10517E
SITE IS UNOCCUPIED.

25X1

HA NO. SAM SITE 016-2 024H VN 2034N 10607E
SITE IS UNOCCUPIED.

25X1

HA NO. SAM SITE 031B-2 029H VN 2123N 10520E
SITE IS UNOCCUPIED.

25X1

YEN BAI SAM SITE C14-2 0122H VN 2128N 10509E
SITE HAS BEEN RETURNED TO AGRICULTURE AND WILL NO
LONGER BE REPORTED BY NPIC.

25X1

YEN BAI SAM SITE B12-2 0116H VN 2136N 10507E
SITE IS UNOCCUPIED.

25X1

YEN BAI SAM SITE B11-2 0194H VN 2146N 10513E
IDENTIFICATION ONLY.

25X1

YEN BAI SAM SITE C07-2 0202H VN 2144N 10515E
IDENTIFICATION ONLY.

25X1

YEN BAI SAM SITE C09-2 0206H VN 2144N 10518E
IDENTIFICATION ONLY.

25X1

YEN BAI SAM SITE C17-2 0208H VN 2123N 10517E
SITE IS UNOCCUPIED.

25X1

SITE IS UNOCCUPIED.

25X1

THANH HOA SAM SITE C02-2 023N VN 2009N 10554E
IDENTIFICATION ONLY.

25X1

THANH HOA SAM SITE D04-2 042N VN 2016N 10606E
SITE IS UNOCCUPIED.

25X1

THANH HOA SAM SITE C03-2 046N VN 2013N 10559E
SITE IS UNOCCUPIED.

25X1

THANH HOA SAM SITE C02A-2 065N VN 2010N 10553E
SITE IS UNOCCUPIED.

25X1

THANH HOA SAM SITE C04-2 068N VN 2011N 10604E
SITE IS UNOCCUPIED.

25X1

THANH HOA SAM SITE D02-2 069N VN 2025N 10601E
SITE IS UNOCCUPIED.

25X1

THANH HOA SAM SITE C01-2 077N VN 2013N 10551E
SITE IS UNOCCUPIED.

25X1

THANH HOA SAM SITE D03-2 079N VN 2021N 10604E
SITE IS UNOCCUPIED.

25X1

THANH HOA SAM SITE D03A-2 080N VN 2021N 10600E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE B30A-2 043N VN 2108N 10535E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE C30A-2 044N VN 2112N 10521E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE A17A-2 045N VN 2052N 10554E
SITE IS UNOCCUPIED.

25X1

25X1

SECTION # 03

HA NOI SAM SITE C30C-2 051N VN 2114N 10523E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE B33-2 064N VN 2110N 10544E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE C13-2 081N VN 2045N 10613E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE C30D-2 092N VN 2112N 10530E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE C30E-2 0114N VN 2111N 10521E
SITE IS UNOCCUPIED.

25X1

HOA BINH SAM SITE B17-2 0170N VN 2030N 10525E
IDENTIFICATION ONLY.

25X1

HAI PHONG SAM SITE D22-2 0152N VN 2024N 10624E
SITE IS UNOCCUPIED.

25X1

HAI PHONG SAM SITE C21-2 0157N VN 2024N 10630E
IDENTIFICATION ONLY.

25X1

HAI PHONG SAM SED. D23-2 0174N VN 2028N 10614E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE A13-2 @123N VN 2118N 10537E
SITE IS UNOCCUPIED.

25X1

25X1

25X1

HA NOI SAM SITE A01-2 @133N VN 2107N 10552E
IDENTIFICATION ONLY.

25X1

HA NOI SAM SITE A14-2 @142N VN 2056N 10558E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE C32-2 @143N VN 2119N 10531E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE B32-2 @146N VN 2115N 10535E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE C17-2 @147N VN 2036N 10601E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE A31-2 @159N VN 2104N 10546E
SITE CONSISTS OF 6 POSSIBLY OCCUPIED REVETTED LAUNCH POSITIONS, AN OCCUPIED CENTRAL GUIDANCE AREA, AND AN OCCUPIED ACQUISITION RADAR POSITION.
OB -- 6 POSSIBLE LAUNCHERS AND MISSILES, A GUIDANCE RADAR WITH AT LEAST 4 VANS, AND AN ACQUISITION RADAR.

25X1

25X1

HA NOI SAM SITE C17A-2 @161N VN 2037N 10557E
SITE CONSISTS OF 5 OCCUPIED REVETTED LAUNCH POSITIONS, 1 UNOCCUPIED REVETTED LAUNCH POSITION, A REVETTED GUIDANCE AREA PROBABLY OCCUPIED, AND AN OCCUPIED ACQUISITION RADAR POSITION.
OB -- 5 LAUNCHERS WITH MISSILES, A PROBABLE FAN SONG RADAR WITH AT LEAST 4 VANS, AND AN ACQUISITION RADAR.

25X1

25X1

25X1

HA NOI SAM SITE E22-2 @164N VN 2026N 10529E
IDENTIFICATION ONLY.

HA NOI SAM SITE C17B-2 @165N VN 2033N 10600E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE C16-2 @166N VN 2041N 10605E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE A05-2 @158N VN 2108N 10558E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE D31C-2 @131N VN 2124N 10517E
SITE IS UNOCCUPIED.

25X1

THANH HOA SAM SITE C04B-2 @172N VN 2009N 10602E
SITE HAS BEEN RETURNED TO CULTIVATION AND WILL NO LONGER BE REPORTED BY NPIC.

25X1

THANH HOA SAM SITE C01A-2 @163N VN 2014N 10548E

SECTION # 04

SITE IS UNOCCUPIED.

THANH HOA SAM SITE C04A-2 @155N VN 2009N 10600E
SITE IS UNOCCUPIED.

25X1

25X1

25X1

HA NOI SAM SITE B27-2 @180N VN 2059N 10533E
SITE IS UNOCCUPIED. AT LEAST 8 BOMB CRATERS OBSERVED WITHIN THE SITE.

25X1

HA NOI SAM SITE 813-2 0184N VN 2050N 10605E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE 828-2 0189N VN 2101N 10532E
SITE CONSISTS OF 4 OCCUPIED UNREVIEWED LAUNCH POSITIONS
AND AN OCCUPIED UNREVIEWED GUIDANCE AREA.
OB -- 4 LAUNCHERS WITH MISSILES AND A GUIDANCE RADAR
WITH 4 VARS.

25X1

25X1

VINH LINH SAM SITE A25-2 0177N VN 1701N 10655E
SITE IS UNOCCUPIED.

25X1

25X1

VINH LINH SAM SITE A26-2 0187N VN 1701N 10654E
SITE IS UNOCCUPIED.

25X1

HA NOI SAM SITE 0211N VN 2100N 10527E NO COMOR
SITE IS UNOCCUPIED.

25X1

HOA BINH SAM SITE 0212N 0900N VN 2052N 10533E NO COMOR
12.2 NM ENE OF HOA BINH.
NEWLY IDENTIFIED SITE CONSISTS OF 3 UNOCCUPIED
UNREVIEWED LAUNCH POSITIONS AND AN UNOCCUPIED
UNREVIEWED GUIDANCE AREA.
OB -- NONE OBSERVED.

25X1

HOA BINH SAM SITE 0210N VN 2053N 10523E NO COMOR
SITE IS UNOCCUPIED.

25X1

AIR FACILITIES

HANOI/BAC MAI AIRFIELD VN 2059N 10550E
OB -- 1 DERELICT AIRCRAFT IN HANGAR.

25X1

25X1

HANOI/GIA LAN AIRFIELD VN 2102N 10553E
OB -- 6 FAGOT/FRESCO, 3 POSSIBLE FAGOT/FRESCO, 1
PROBABLE COKE, 1 CRATE, 1 CAB WITHOUT WINGS, 3 COLT,
1 HOOK, 1 HOUND, AND 1 POSSIBLE AIRCRAFT.

25X1

25X1

PHUC YEN AIRFIELD VN 2113N 10548E
OB -- 2 POSSIBLE FISHBED.

25X1

25X1

YEN BAI AIRFIELD VN 2143N 10451E
NO APPARENT CHANGE IN CLOUD-FREE AREAS SINCE MISSION

25X1

HOA LAC AIRFIELD VN 2101N 10530E
OB -- 2 FAGOT/FRESCO AND 2 DUMMY/DECAY AIRCRAFT.

25X1

25X1

THO KHOI HELICOPTER DISPERSAL AREA VN 2100N 10554E NO COMOR
OB -- 2 HOOK.

25X1

HA NOI HELICOPTER DISPERSAL AREA VN 2105N 10549E NO COMOR
OB -- 3 HOOK.

25X1

MILITARY ACTIVITY

HA NOI/LAO CAI RR SEGMENT 2 VN 2200N 10433E
ENTIRE SEGMENT COVERED. FOLLOWING ACTIVITY OBSERVED IN
CLOUD-FREE AREAS -- RAIL BY-PASS UNDER CONSTRUCTION AT
21-54-45N 104-36-08E, SERVICEABLE RAIL BY-PASS AND
ORIGINAL RAILROAD BRIDGE UNSERVICEABLE AT 21-57-50N
104-36-08E, RAIL BY-PASS AT 22-04-30N 104-28-20E, 1
LOCOMOTIVE AND 18 PIECES OF ROLLING STOCK AT 22-08-30N
104-23-32E, RAIL BY-PASS UNDER CONSTRUCTION AT
22-08-35N 104-32-20E.

25X1

25X1

HA NOI/LAO CAI RR SEGMENT 1 VN 2220N 10410E

25X1

25X1

SOUTH 5 PERCENT OF SEGMENT COVERED. NO ACTIVITY OBSERVED.

HA NOI/LAO CAI RR SEGMENT 3 VN 2148N 10456E [REDACTED]
ENTIRE SEGMENT IS COVERED. FOLLOWING ACTIVITY OBSERVED
IN CLOUD-FREE AREAS -- 4 PIECES OF ROLLING STOCK AND

25X1

SECTION #05

RAIL INTERDICTION AT 21-33-30N 105-00-30E, RAIL BY-PASS
UNDER CONSTRUCTION AT 21-34-10N 105-00-00E, RAIL
BY-PASS UNDER CONSTRUCTION AT 21-40-20N 104-56-12E, 14
PIECES OF ROLLING STOCK AND RAIL INTERDICTIONS AT YEN
BAI RAILROAD YARD AT 21-42-00N 104-53-00E, RAIL BY-PASS
AT 21-59-45N 104-45-45E.

HA NOI/LAO CAI RR SEGMENT 4 VN 2120N 10520E [REDACTED]
ENTIRE SEGMENT COVERED. ROUTE IS UNSERVICEABLE.
APPROXIMATELY 60 PIECES OF ROLLING STOCK OBSERVED.

25X1

HA NOI/LAO CAI RR SEGMENT 5 VN 2118N 10540E [REDACTED]
IDENTIFICATION ONLY.

25X1

COMPLEXES

TUYEN QUANG COMPLEX VN 2148N 10512E [REDACTED]
NO APPARENT CHANGE IN CLOUD-FREE AREAS SINCE MISSION

25X1

25X1

25X1

YEN BAI COMPLEX VN 2141N 10452E [REDACTED]
COMPLEX HAS BEEN RAZED WITH MAJORITY OF STRUCTURES
DISMANTLED AND THE REMAINDER DESTROYED OR DAMAGED. NO
SIGNIFICANT ACTIVITY OBSERVED WITHIN COMPLEX.
APPROXIMATELY 14 PIECES OF ROLLING STOCK OBSERVED IN
RAILROAD YARD.

25X1

VIENT TRI RAILROAD YARD VN 2118N 10526E [REDACTED]
RAILYARD APPEARS TO BE UNSERVICEABLE. YARD HAS BEEN
SUBJECTED TO AIR STRIKES AND HAS NUMEROUS BOMB CRATERS.
AT LEAST 20 PIECES OF ROLLING STOCK 07 DERAILED AND
OVERTURNED OBSERVED IN YARD.

25X1

YEN VIEN RR CLASSIFICATION YARD VN 2105N 10555E [REDACTED]
IDENTIFICATION ONLY.

25X1

25X1

BX6708